

# Using GitHub Professionally

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# Outline

What is  
Github?

Why should I  
care?

How do I use  
GitHub?

How do I  
make a good  
profile?

Work with it!

- 1 What is Github?
- 2 Why should I care?
- 3 How do I use GitHub?
- 4 How do I make a good profile?
- 5 Work with it!

# What is Github?

What is Github?

Why should I care?

How do I use GitHub?

How do I make a good profile?

Work with it!

## What is Git?

- Code repository
- Version control system
- A tool for development

## What's the Hub?

- The largest Git server in the world
- Showcase of your skills and abilities
- History of activity
- Collaboration

# Why should I care?

## Paradox of Experience

What is  
Github?

Why should I  
care?

How do I use  
GitHub?

How do I  
make a good  
profile?

Work with it!

Your resume summarizes your experience, your GitHub proves it  
Industry wants experience, but won't hire inexperienced people  
To resolve this, you need your own experience  
Work on problems, already solved or not, and record the  
process!

# How do I use GitHub?

## The Basics

What is  
Github?

Why should I  
care?

How do I use  
GitHub?

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profile?

Work with it!

On GitHub, your work is organized into repositories, or "repos".

When you start a new project, you start a new repo.

Many ways to work with repos:

- In-browser
- GitHub Desktop
- Command line

# How do I use GitHub?

## Branches

What is  
Github?

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GitHub lets you create "branches" on your project  
To begin with, you work with the "master" branch  
Branches start out identical to what they branched from

### Push to master?

Working on the master branch is generally strongly discouraged.  
Think of pushing to the master branch as releasing a new  
version, you don't want to do it until you're sure it's ready.

# How do I use GitHub?

## Merging

What is  
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Work with it!

You can work as long as you want on any particular branch  
When you want to move your changes to another branch, you  
"merge"

This is sometimes simple, and sometimes complex

# How do I use GitHub?

## Forking and pull requests

What is  
Github?

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care?

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Work with it!

GitHub loves open source, so anyone can contribute to pretty much anything!

If you want to contribute to a project, here's the workflow:

- 1 Fork
- 2 Branch
- 3 Work
- 4 Pull request

Pull requests are just asking the developer to merge your changes



# How do I make a good profile?

## Contribution History

What is  
Github?

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care?

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Work with it!

Your GitHub account tracks your contribution history

Having a long and consistent contribution history is extremely valuable

One very good thing you can do for your profile is to consistently work on things!

# How do I make a good profile?

## Information

What is  
Github?

Why should I  
care?

How do I use  
GitHub?

How do I  
make a good  
profile?

Work with it!

## What should you set?

- Name
- Contact information
- Biography
  - Short (160 characters)
  - Grab the reader's attention
  - Highlight your skills, education, or passions

# How do I make a good profile?

## Repositories

What is  
Github?

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care?

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Work with it!

Your repositories all should have a README.md

Having nice READMEs indicates that you can keep good documentation.

You can have up to 6 of your public repositories pinned on your profile.

### **What should you pin?**

- Projects emphasizing your skills
- Projects you're proud of
- Popular repositories

# How do I make a good profile?

What not to include

What is  
Github?

Why should I  
care?

How do I use  
GitHub?

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profile?

Work with it!

Don't include more non-professional information than necessary

This accomplishes two things:

- Keeps professional tools professional
- Minimizes the influence of any unconscious bias your reader might have

# How do I make a good profile?

README.md

What is  
Github?

Why should I  
care?

How do I use  
Github?

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make a good  
profile?

Work with it!

GitHub has a secret feature giving you some more flexibility

Uses Markdown, the same as any other repository

To use this, create a repo with the same name as your  
username, and set README.md there

# Questions?

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Thanks for your attention, and good luck!